

In re KUMAR ET AL., Application No. 09/811,195
Amendment B

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method performed by an apparatus integrated access device interfacing a an ATM network non-compliant customer premises communications device with an ATM edge switch connected to an ATM network, a packet network, the integrated access device being a standalone device separate from, and directly coupled to said communications device, the method comprising:

receiving an off-hook indication from said communications device;

in response to said receiving the off-hook indication, signaling to a call agent located in the ATM network to create to establish a call including a first traffic characteristic over the packet ATM network to a second customer premises communications device through a second integrated access device directly coupled to said second customer premises communications device;

receiving a telephonic signal from the said communications device subsequent to said establishment of the call;

monitoring the said received telephonic signal to determining a call characterization determine that the call includes facsimile or modem traffic; and

in response to said determination that the call includes facsimile or modem traffic, requesting and causing of the packet network, based on the determined call characterization, a modification of the said established call to replace the first traffic characteristic with a second traffic characteristic, said request being communicated to the second integrated access device; and

receiving a modification acknowledgement message from the second integrated access device in response to said request for modification of said established call.

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Claim 2 (original): The method of claim 1, wherein the first traffic characteristic includes a first packet rate, and the second traffic characteristic includes a second packet data rate.

Claim 3 (original): The method of claim 2, wherein the first packet rate is a variable packet rate and the second packet rate is a fixed packet rate.

Claim 4 (original): The method of claim 2, wherein the first packet rate is less than the second packet rate.

Claim 5 (original): The method of claim 2, wherein the first packet rate is greater than the second packet rate.

Claim 6 (original): The method of claim 1, wherein the first traffic characteristic includes a first bandwidth requirement, and the second traffic characteristic includes a second bandwidth requirement.

Claims 7-29 (canceled)

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Claim 30 (currently amended): An apparatus integrated access device interfacing a communications device with a packet network, the apparatus an ATM network non-compliant customer premises communications device with an ATM edge switch connected to an ATM network, the integrated access device being a standalone device separate from, and directly coupled to said communications device, the integrated access device comprising:

means for receiving an off-hook indication from said communications device;

means for signaling in response to said receiving the off-hook indication, to a call agent located in the ATM network to create to establish a call including a first traffic characteristic over the ATM network to an ATM network non-compliant second customer premises communications device through a second integrated access device directly coupled to said second communications device;

means for receiving a telephonic signal from the communications device subsequent to said establishment of the call;

means for establishing a call of a first bandwidth over the packet network;

means for detecting that the telephonic signal includes a modem signal or a facsimile signal; and

means for requesting a modification of the call from the first bandwidth traffic characteristic to a second bandwidth traffic characteristic in response to detecting that the telephonic signal includes the modem signal or the facsimile signal, said requesting of the modification including communicating said request for modification of said established call to the second integrated access device; and

means for receiving a modification acknowledgement message from the second integrated access device in response to said request for modification of said established call.

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Claim 31 (currently amended): The ~~apparatus~~ integrated access device of claim 30, wherein said means for requesting the modification of the call includes means for generating a Q.2963.x signaling message.

Claims 32-34 (canceled)

Claim 35 (new): The method of claim 1, wherein the first traffic characteristic allows the use of compression or silence suppression technology and the second traffic characteristic does not allow for the use of compression or silence suppression technology.

Claim 36 (new): The method of claim 1, wherein the integrated access device sends a connection available message to the second integrated access device in response to said receipt of the modification acknowledgement message from the second integrated access device.

Claim 37 (new): The integrated access device of claim 30, wherein the first traffic characteristic includes a first packet rate, and the second traffic characteristic includes a second packet data rate.

Claim 38 (new): The integrated access device of claim 37, wherein the first packet rate is a variable packet rate and the second packet rate is a fixed packet rate.

Claim 39 (new): The integrated access device of claim 37, wherein the first packet rate is less than the second packet rate.

Claim 40 (new): The integrated access device of claim 37, wherein the first packet rate is greater than the second packet rate.

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Claim 41 (new): The integrated access device of claim 30, wherein the first traffic characteristic includes a first bandwidth requirement, and the second traffic characteristic includes a second bandwidth requirement.

Claim 42 (new): The integrated access device of claim 30, wherein the first traffic characteristic allows the use of compression or silence suppression technology and the second traffic characteristic does not allow for the use of compression or silence suppression technology.

Claim 43 (new): The integrated access device of claim 30, wherein the integrated access device includes means for sending a connection available message to the second integrated access device in response to said receipt of the modification acknowledgement message from the second integrated access device.